AMENDMENTS TO THE CLAIMS

Please amend the claims as follows.

1. (Currently Amended) A method for distributing discovery information in an IP multicast television network, comprising:
    multicasting offer information [[(701)]] linking a service provider offer description (offer 1, offer 2) and a service provider offer locali[[s]]zation (LN.sub.0,1, LN.sub.0,2) within the IP multicast network,
    multicasting stream information (702, 703) at the service provider offer locali[[s]]zation, the stream information linking a multi-service transport stream (TS.sub.1,1- TS.sub.1,4, TS.sub.2,1-TS.sub.2,3) and a stream locali[[s]]zation (LN.sub.1,1- LN.sub.1,4, LN.sub.2,1-LN.sub.2,3) within the IP multicast network, wherein a localization comprises an IP address and a port configured to receive data transmitted over the IP multicast network.

2. (Currently Amended) [[A]] The method according to claim 1, in which the offer and stream information are respectively cyclically multicast.

3. (Currently Amended) A method for broadcasting over an IP multicast network at least one offer of multimedia services received in a form of a bundle of transport streams, comprising:
    attributing for each offer (offer 1, offer 2) a determined service provider offer locali[[s]]zation (LN.sub.0,1, LN.sub.0,2) within the IP multicast network, wherein a localization comprises an IP address and a port configured to receive data transmitted over the IP multicast network,
    creating a file of offer information [[(701)]] describing for each offer a relation to its attributed service provider offer locali[[s]]zation,
    extracting, for each offer, transport stream information from [[its]] the bundle, the transport stream information comprising a transport stream identification (TS.sub.1,1-TS.sub.1,4, TS.sub.2,1-TS.sub.2,3) for each transport stream,
    attributing for each transport stream identification a determined stream locali[[s]]zation (LN.sub.1,1-LN.sub.1,4, LN.sub.2,1-LN.sub.2,3) within the IP multicast network, and

creating, for each offer, a file of stream information (702, 703) describing for each transport stream a relation to its attributed stream locali[[s]]zation.

4. (Currently Amended) [[A]] The method for broadcasting according to claim 3, further comprising adding, for each offer, a service provider offer description in the file of offer information.

5. (Currently Amended) [[A]] The method for broadcasting according to claim 3anyone of claims 3 or 4, wherein the extraction[[g]] of transport stream information from [[its]] the bundle comprises:

for each transport stream, extracting an original network Id for a network previously used to deliver the transport stream, and

further comprising inserting the original network Id in relation to the transport stream in the file of stream information.

6. (Currently Amended) [[A]] The method for broadcasting according to claim 3anyone of claims 3 to 5, further comprising:

receiving, for each transport stream, a corresponding stream of packetized data, [[and]]

inserting the stream of packetized data into IP packets,

multicasting the IP packets at the stream locali[[s]]zation previously attributed to the transport stream,

multicasting the file of offer information at a predetermined offer locali[[s]]zation (LN.sub.0,0), and

multicasting, for each offer, the corresponding stream information file at the service provider offer locali[[s]]zation attributed to the offer.

7. (Currently Amended) [[A]] The method according to claim 6, in which the files of offer and stream information are respectively cyclically multicast.

8. (Currently Amended) A method for receiving, in a set top box receiver compliant to receive a bundle of transport streams and connected to an IP multicast network, a transport stream from a bundle, comprising:

obtaining multicast stream information (702, 703) from a service provider offer

locali[[s]]zation, <u>wherein a localization comprises an IP address and a port configured to receive data transmitted over the IP multicast network,</u>

processing the stream information to determine a stream locali[[s]]zation (LN.sub.1,1-LN.sub.1,4, LN.sub.2,1-LN.sub.2,3) previously attributed to the transport stream,

obtaining multicast IP packets from the <u>determined</u> stream locali[[s]]zation, <u>and</u>

extracting packetized data from the obtained IP packets, thereby obtaining the transport stream.

9. (Currently Amended) A method for receiving, in a set top box receiver compliant to receive a bundle of transport streams and connected to an IP multicast network, a transport stream from an offer among one or many offers in <u>the</u> form of bundles, comprising<u>:</u>

[[O]]<u>o</u>btaining multicast offer information [[(701)]] from a predetermined offer locali[[s]]zation, <u>wherein a localization comprises an IP address and a port configured to receive data transmitted over the IP multicast network,</u>

[[P]]<u>p</u>rocessing the offer information to obtain a determined service provider offer locali[[s]]zation (LN.sub.0,1, LN.sub.0,2) previously attributed to the offer,

[[O]]<u>o</u>btaining multicast stream information (702, 703) from the determined service provider offer locali[[s]]zation,

[[P]]<u>p</u>rocessing the stream information to determine a stream locali[[s]]zation previously attributed to the transport stream,

[[O]]<u>o</u>btaining multicast IP packets from the stream locali[[s]]zation, <u>and</u>

[[E]]<u>e</u>xtracting packetized data from the obtained IP packets, thereby obtaining the transport stream.

10. (Currently Amended) A method for receiving, in a set top box receiver compliant to receive a bundle of transport streams and connected to an IP multicast network, a transport stream from an offer among one or many offers in form of bundles, comprising<u>:</u>

obtaining [[(800)]] multicast offer information [[(701)]] from a predetermined offer locali[[s]]zation (LN.sub.0,0),

processing the offer information to obtain a list of items, each item relating a service provider offer locali[[s]]zation and an offer, <u>wherein a localization comprises an</u>

IP address and a port configured to receive data transmitted over the IP multicast
network,

obtaining [[(801)]], for each item from the list of items, multicast stream information
(702, 703) from the service provider offer locali[[s]]zation corresponding to the
item,

processing [[(801)]] the stream information to obtain a transport stream list [[(802)]] of
transport streams and respectively related stream locali[[s]]zations, and

storing the transport stream list in the set top box.

11. (Currently Amended) [[A]] The method for receiving according to claim 10, further
comprising:

requesting [[(900)]] a determined transport stream (TS.sub.X,Y),

finding [[(901)]] a stream locali[[s]]zation corresponding to the determined transport
stream in the transport stream list [[(802)]],

obtaining [[(902)]] multicast IP packets [[(903)]] from the stream locali[[s]]zation, and

extracting [[(904)]] packetized data from the obtained IP packets, thereby obtaining the
determined transport stream [[(905)]],

wherein the determined transport stream combines offers for multimedia services from a
plurality of service providers, each of which broadcast using a different
distribution system.

12. (Canceled)